

Converting Colors

XYZ(12.2290, 10.3529, 2.1179)

Have a look what the booklet for
XYZ(12.2290, 10.3529, 2.1179)
contains.

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Color

**XYZ(12.2293, 10.3320,
2.1088)**

Conversions

Conversions Part 1

Format	Color
Hex	834E16
RGB	131, 78, 22
RGB Percent	51%, 31%, 9%
CMY	0.4863, 0.6941, 0.9137
CMYK	0.00, 0.40, 0.83, 0.49
HSL	31°, 71%, 30%
HSV	31°, 83%, 51%
XYZ	12.2293, 10.3320, 2.1088
YIQ	87.4630, 49.5640, -6.1800

Conversions

Conversions Part 2

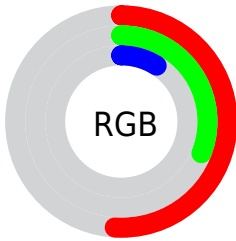
Format	Color
RYB	125, 131, 22
Decimal	8605206
CIELab	38.43, 17.80, 40.14
CIELCh	38, 43.908, 66.084
Yxy	10.3320, 0.4957, 0.4188
Android (android.graphics.Color)	4286795286 (0xFF834E16)
YUV	87.4630, -32.2733, 38.1819
Hunter-Lab	32.1434, 11.6612, 18.6106

Details

The XYZ color **12.2293, 10.3320, 2.1088** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.9436, 6.8412, 22.4271**, and the grayscale version is **9.2196, 9.6997, 10.5630**.

A 20% lighter version of the original color is **29.4339, 26.3123, 9.3218**, and **3.5243, 2.6242, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **11.7026, 9.4324, 1.4595**, and if you desaturate by 10%, it is **12.8643, 11.3460, 3.1101**.

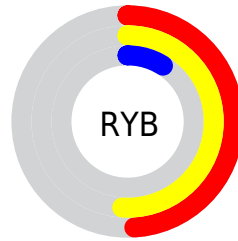
Distribution



Red (51%)

Green (31%)

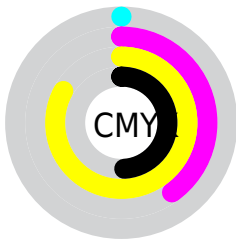
Blue (9%)



Red (49%)

Yellow (51%)

Blue (9%)

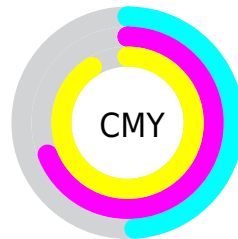


Cyan (0%)

Magenta (40%)

Yellow (83%)

Black (49%)



Cyan (49%)


Magenta (69%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2293, 10.3320, 2.1088 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.2293, 10.3320, 2.1088 by changing the saturation by 10% instead.


 12.2293, 10.3320,
2.1088


 12.2293, 10.3320,
2.1088


199.6565,
193.0255, 124.0440


 6.9733, 5.6196,
0.6210


 29.5253, 26.4181,
9.3362


 3.4916, 2.6152,
0.0000


 42.2960, 38.5607,
15.9519


 1.4188, 0.9343,
0.0000

 58.3024, 53.9487,
25.1272

 0.2695, 0.0000,
0.0000


 77.9098, 72.9667,
37.2804


 0.0000, 0.0000,
0.0000


 101.4836, 95.9989,
52.8301


 129.3890,


123.4299, 72.1950

 161.9916,
155.6439, 95.7934


 12.2293, 10.3320,
2.1088


 12.2293, 10.3320,
2.1088


 11.7026, 9.4324,
1.4595


 12.8643, 11.3460,
3.1101

 11.3854, 8.8761,
1.1132

 13.6168, 12.4786,
4.5092

 14.4955, 13.7356,
6.3449

 15.5079, 15.1217,
8.6513

 16.6608, 16.6413,
11.4588

■ 17.9603, 18.2987,
14.7954

■ 19.4125, 20.0977,
18.6869

■ 21.0227, 22.0421,
23.1577

■ 22.7963, 24.1355,
28.2302

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



14.9839, 10.3320, 4.2772



12.2293, 10.3320, 2.1088



9.2475, 10.3320, 1.7205

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.2293, 10.3320, 2.1088



5.2948, 10.3320, 13.0075



13.4385, 10.3320, 29.4438

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.2293, 10.3320, 2.1088



6.9436, 6.8412, 22.4271

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.4162, 10.3320, 35.3884



12.2293, 10.3320, 2.1088



6.0044, 10.3320, 23.3476

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.2293, 10.3320, 2.1088



5.5933, 10.3320, 5.9858



7.7504, 10.3320, 32.7376



15.7717, 10.3320, 18.9421

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.2293, 10.3320, 2.1088



7.5901, 10.3320, 2.1925



7.7504, 10.3320, 32.7376



12.4494, 10.3320, 32.2259

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.2295, 10.3325, 2.1090



31.5868, 32.0423, 24.9895



10.9690, 5.9280, 7.4952



7.1889, 7.2501, 5.3917



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.2295, 10.3325, 2.1090



20.2337, 15.5846, 1.9417



17.6211, 21.1157, 3.9062



4.8557, 5.0549, 4.9491



11.2100, 8.7425, 1.0966



0.0461, 0.0449, 0.0062

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



6.9436, 6.8412, 22.4271



10.4350, 9.1317, 39.6658



4.7146, 2.3832, 21.6841



4.6075, 4.8905, 5.9019



5.8230, 5.1938, 21.8323



0.0274, 0.0325, 0.0781

Previews

White Background



This preview shows how the XYZ color 12.2293, 10.3320, 2.1088 looks on a white background.

Color Contrast Check

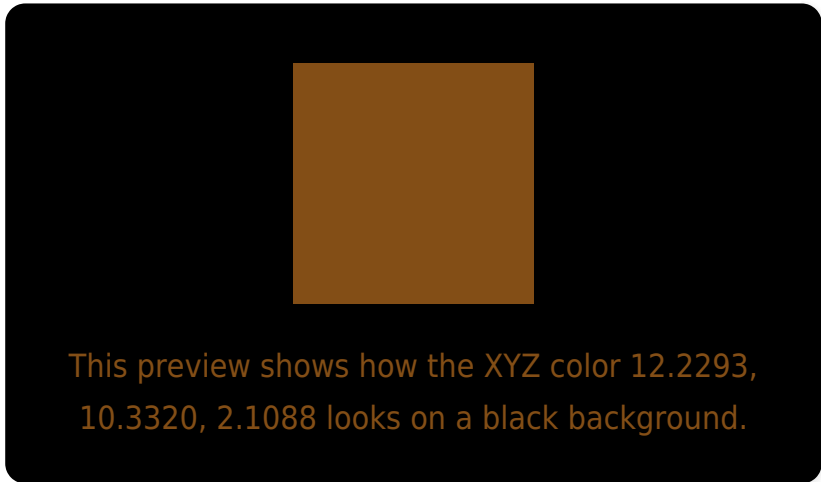
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2293, 10.3320, 2.1088

Background



This preview shows how black text looks on a background with the XYZ color 12.2293, 10.3320, 2.1088.



This preview shows how white text looks on a background with the XYZ color 12.2293, 10.3320,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.2293, 10.3320, 2.1088

Protanopia

9.3960, 10.3771, 2.4275

Deuteranopia

10.5072, 10.3441, 2.0151



Tritanopia

13.5892, 10.3835, 8.4957

Trichromacy



Original Color

12.2293, 10.3320, 2.1088

Protanomaly

10.3027, 10.2322, 2.2962

Deuteranomaly

11.0960, 10.2985, 2.0191

Tritanomaly

12.9527, 10.3242, 5.3131

Monochromacy



Original Color

12.2293, 10.3320, 2.1088

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.6610, 9.5831, 6.0432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2293, 10.3320, 2.1088 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(131, 78, 22)` looks like.

```
.text, #text, p{  
    color:rgb(131, 78, 22)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(131, 78, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 78, 22) }
```

Border

The CSS property to change the border of an element to XYZ 12.2293, 10.3320, 2.1088 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 78, 22) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(131, 78, 22) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(131, 78, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 78, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 78, 22);  
box-shadow:4px 4px 4px 4px rgb(131, 78,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2293, 10.3320, 2.1088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 78, 22) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(131, 78,  
22) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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